

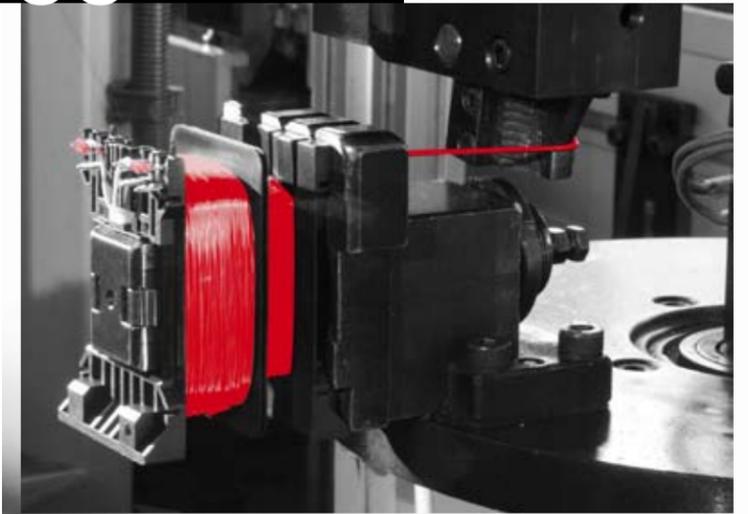


**ABSAR®**  
the reloading company

# WHATEVER YOUR REQUIREMENTS, WE HAVE THE CHARGER FOR YOU

Absaar, the reloading company, has been manufacturing battery chargers for over 40 years at our production facility in Altforweiler, Germany and we are proud of the fact that we still produce "Quality made in Germany". Over the last 4 decades we have manufactured hundreds of different models covering all the different requirements of the consumer and professional user, whether you need a charger for your motorcycle, car, bus, truck, etc, whatever your needs Absaar has the charger for you, we are "the reloading company".

**QUALITY MADE IN GERMANY** is not just a slogan, it is a fact for us. In this day and age where low quality import products flood the market we offer you the difference, our products are made to last and you can be assured that our various production departments have delivered the high quality components required to build your charger. We produce almost everything in-house; from the rubber feet to the metal or plastic case, from the transformer to the needle in the ampere meter, from the switch in a professional charger to screen printing the face plate.



# BEST TECHNOLOGY FOR DEMANDING CONSUMERS

The in house Research and Development department is responsible for the electrical and electronic development and design of new products, and the continued improvement to current products. Market and customer requirements constantly flow into the development process to ensure your product meets the needs of your customers. Our engineers design the electronic circuit boards and prototypes are built and tested to the stringent standards set by R&D, Homologation, and QM before going into production.

Our production flexibility is second to none and our customers benefit from this on a daily basis. Our multilingual sales team offer you a direct connection to our production facilities and cater to your requests and requirements. Your orders are processed and delivered on time, and if you require

your delivery to be expedited then you can be assured that our team will do everything to accommodate your requests.

Our facility in Altforweiler houses the company administration, sales, purchasing, research and development, quality management, customer service and many different production departments manufacturing hundreds of separate parts. Many of the staff at Absaar have been with the company for more than 30 years and have a wealth of experience and knowledge of our products and the production techniques used to build them.

# CERTIFIED PRODUCTS

Our products are certified by internationally recognised test laboratories to the highest standards and are constantly monitored both internally and by external 3rd party institutes like Intertek, VDE and TÜV for adherence to these standards. We certify to the internationally accepted and harmonised CB and CCA safety standards allowing us to certify our products in any country around the globe. The chargers carry further certification marks like the internationally acclaimed German GS mark, which is known worldwide to be one of the hardest certification standards to meet. The GS certification is a voluntary certification which we consider compulsory.

Through our in-house services we offer you the advantage, whatever your requirements, we have the charger for you, and above all Quality Made in Germany.





# THE VARIOUS PRODUCTION DEPARTMENTS AT ABSAAR INCLUDE:

**PLASTIC INJECTION** – 13 injection machines in various sizes for the production of all plastic parts used in the assembly for example: transformer bobbins, ampere meter parts, plastic cases, switch casings and components, charger feet, display housings, cable clamps, face plates, etc.

**METAL WORKSHOP** – fully equipped with a variety of presses up to 200 tons, bending equipment, etc. producing all the metal parts used in the assembly for example: metal cases of all sizes, transformer pins and sheets, switch contacts, rectifier components, etc.

**TRANSFORMER DEPARTMENTS** – produce all the transformers used in the assembly of the chargers. The fully automated line was designed and built to meet our requirements and produces 300 transformers per hour. A second production line produces the transformers for our professional chargers up to 80 A.

**POWDER COATING** – all Absaar chargers with metal cases are powder coated and baked in our convection curing oven. The powder coating is extremely durable keeping your charger protected from the environment and maintaining a high quality finish for many years.

**CABLE ASSEMBLY** – all the necessary cables and internal wiring are produced to specification and connectors are fitted automatically.

**SCREEN PRINTING** – all aluminium face plates are screen printed up to 4 colours depending on the customer requirements providing a high quality finish. All the necessary screens are developed and maintained with sizes up to DIN A2. Display elements including the ampere meter and LED displays are pad printed up to 4 colours. Rating labels are thermo printed to adhere to the safety standards.

**AMPERE METER** – all Absaar ampere meters are assembled from the various components from the plastic injection, metal workshop, and screen printing departments.

**SWITCH DEPARTMENT** – assembles up to 100 individual components to produce the switches for the professional charger series.

**PRODUCT ASSEMBLY** – 5 assembly lines produce the full range of Absaar chargers.

## OUR PRODUCTS ARE MADE TO LAST

